

RAB20 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51462

Product Information

Application	WB
Primary Accession	Q9NX57
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26277

Additional Information

Gene ID	55647
Other Names	Ras-related protein Rab-20, RAB20
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB20. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	RAB20 (HGNC:18260)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). RAB20 plays a role in apical endocytosis/recycling. Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis. Plays a role in the fusion of phagosomes with lysosomes.
Cellular Location	Golgi apparatus. Cytoplasmic vesicle, phagosome Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Highly enriched on apical endocytic structures in polarized epithelial cells of kidney proximal tubules (By similarity). Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211) {ECO:0000250 UniProtKB:P35295, ECO:0000269 PubMed:21255211}

Tissue Location

Low or absent expression in normal pancreas and stronger expression in 15 of 18 exocrine pancreatic adenocarcinomas (at protein level).

Background

Plays a role in apical endocytosis/recycling. Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as *S.aureus* and *M.tuberculosis*. Plays a role in the fusion of phagosomes with lysosomes.

References

Amillet J.-M.,et al.Hum. Pathol. 37:256-263(2006).

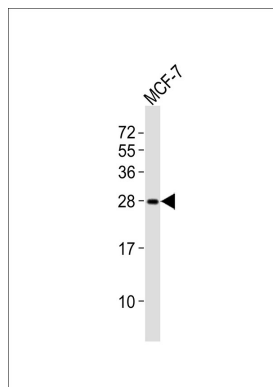
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Dunham A.,et al.Nature 428:522-528(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Seto S.,et al.Traffic 12:407-420(2011).

Images



Anti-RAB20 Antibody at 1:1000 dilution + MCF-7 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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